

AMENDMENT AND PRESENTATION OF CLAIMS

Please replace all prior claims in the present application with the following claims, in which claims 1-40 are currently amended, and no claims are canceled, withdrawn, or newly presented.

1. (Currently Amended) A system for providing software integration for ~~telecommunications offerings~~ on-line procurement of telecommunications offerings, comprising:
a web tier first layer configured to receive ~~at least one of~~ a request or and a user action from a web server; and
an application tier second layer coupled to the web tier first layer and configured to perform ~~at least one of~~ order management, online ordering or and user management functions,
wherein ~~at least one of~~ the web tier first layer or and the application tier second layer includes software objects extended from general-purpose software objects to support procurement of the telecommunications offerings on-line and custom software objects created to support procuring of the telecommunications offerings on-line.
2. (Currently Amended) The system of claim 1, wherein the web tier first layer includes reconfigured software objects that include ~~at least one of~~ reconfigured JavaServer Pages (JSPs), reconfigured transition policies, or and reconfigured display objects.
3. (Currently Amended) The system of claim 1, wherein the web tier first layer includes the custom software objects that include ~~at least one of~~ custom JavaServer Pages (JSPs), custom transition policies, or and custom display objects.
4. (Currently Amended) The system of claim 1, wherein the application tier second layer includes reconfigured software objects that include ~~at least one of~~ reconfigured JavaServer Pages (JSPs), reconfigured transition policies, or and reconfigured display objects.

5. (Currently Amended) The system of claim 1, wherein the application tier second layer includes the custom software objects that include ~~at least one of~~ custom JavaServer Pages (JSPs), custom transition policies, or and custom display objects.

6. (Currently Amended) The system of claim 1, wherein the web tier first layer includes a back office portal including the custom software objects and configured to provide to the web server ~~at least one of~~ context-sensitive contact information, callback forms, help center information, or and requests for inventory.

7. (Currently Amended) The system of claim 1, wherein the web tier first layer includes a customer portal including the extended software objects and configured to provide to the web server ~~at least one of~~ customer order information, customer support information, or and customer order status information, wherein the extended software objects include software objects extended from software objects included in a generic architecture, extended to support ordering telecommunications services or products.

8. (Currently Amended) The system of claim 1, wherein the application tier second layer includes an order management function for providing to the web tier first layer ~~at least one of~~ the context-sensitive contact information, callback forms, help center information, or and requests for inventory.

9. (Currently Amended) The system of claim 1, wherein the application tier second layer includes an online ordering function for providing online ordering functionality to the web tier first layer.

10. (Currently Amended) The system of claim 1, wherein the application tier second layer includes a user management function for providing user management functionality to the web tier first layer.

11. (Currently Amended) The system of claim 1, further comprising a database tier coupled to ~~at least one of the~~ web tier first layer ~~or and the application tier second layer~~ and configured to ~~at least one of~~ persist data, store objects or ~~and~~ store tables.

12. (Currently Amended) The system of claim 11, wherein ~~at least one of the~~ web tier first layer ~~or and the application tier second layer~~ is configured to generate custom tables to extend a schema of tables.

13. (Currently Amended) The system of claim 12, wherein ~~at least one of the~~ web tier first layer ~~or and the application tier is second layer~~ are configured to map the custom tables to ~~at least one of the~~ extended software objects or ~~and~~ the custom software objects.

14. (Currently Amended) The system of claim 1, wherein ~~at least one of the~~ extended software objects or ~~and~~ the custom software objects belong to an order domain configured to support an order class.

15. (Currently Amended) The system of claim 1, wherein ~~at least one of the~~ extended software objects or ~~and~~ the custom software objects belong to a fulfillment status domain configured to provide order fulfillment functionality.

16. (Currently Amended) The system of claim 1, wherein the ~~at least one of the~~ extended software objects or ~~and~~ the custom software objects belong to a move, change or disconnect (MCD) domain configured to store summary information of operational support system (OSS) order entry and status applications.

17. (Currently Amended) The system of claim 1, wherein the ~~at least one of the~~ extended software objects or ~~and~~ the custom software objects belong to an order activity domain configured to carry out ~~one of~~ business logic or ~~and~~ application logic for order management events involving ~~at least one of~~ persistence, transaction-sensitive data retrieval or ~~and~~ specialized business logic.

18. (Currently Amended) The system of claim 1, wherein the ~~at least one of the~~ extended software objects or and the custom software objects belong to a helpers domain configured to ~~at least one of~~ create domain objects, perform specialized business logic or and perform persistence of domain objects.

19. (Currently Amended) The system of claim 1, wherein the ~~at least one of the~~ extended software objects or and the custom software objects belong to a customer support domain configured to provide storage for information needed to retrieve an appropriate set of contact information for back office personnel.

20. (Currently Amended) A method for providing software integration for ~~telecommunications offerings~~ on-line procurement of telecommunications offerings, comprising:
receiving ~~at least one of~~ a request or and a user action from a web server in a web tier first layer;
performing ~~at least one of~~ order management, online ordering or and user management functions in an application tier a second layer;
extending software objects from general-purpose software objects in ~~at least one of the~~ web tier or the application tier first and second layers to support procuring of the telecommunications offerings on-line; and
creating custom software objects in ~~at least one of the~~ web tier or the application tier first and second layers to support the procurement of the telecommunications offerings on-line.

21. (Currently Amended) The method of claim 20, further comprising reconfiguring software objects that are included in the web tier first layer and that include ~~at least one of~~ reconfigured JavaServer Pages (JSPs), reconfigured transition policies, or and reconfigured display objects.

22. (Currently Amended) The method of claim 20, further comprising creating custom objects that are re included in the web tier first layer and that include ~~at least one of~~ custom JavaServer Pages (JSPs), custom transition policies, or and custom display objects.

23. (Currently Amended) The method of claim 20, further comprising reconfiguring software objects that are included in the application tier ~~second layer~~ and that include ~~at least one~~ of reconfigured JavaServer Pages (JSPs), reconfigured transition policies, or ~~and~~ reconfigured display objects.

24. (Currently Amended) The method of claim 20, further comprising creating custom objects that are ~~re~~ included in the application tier ~~second layer~~ and that include ~~at least one of~~ custom JavaServer Pages (JSPs), custom transition policies, or ~~and~~ custom display objects.

25. (Currently Amended) The method of claim 20, further comprising including in the web tier ~~first layer~~ a back office portal including the custom software objects and providing to the web server ~~at least one of~~ context-sensitive contact information, callback forms, help center information, or ~~and~~ requests for inventory.

26. (Currently Amended) The method of claim 20, further comprising including in the web tier ~~first layer~~ a customer portal including the extended software objects and configured to provide to the web server ~~at least one of~~ customer order information, customer support information, or ~~and~~ customer order status information.

27. (Currently Amended) The method of claim 20, further comprising including in the application tier ~~second layer~~ an order management function for providing to the first layer ~~at least one of the~~ context-sensitive contact information, callback forms, help center information, or ~~and~~ requests for inventory.

28. (Currently Amended) The method of claim 20, further comprising including in the application tier ~~second layer~~ an online ordering function for providing online ordering functionality to the web tier ~~first layer~~.

29. (Currently Amended) The method of claim 20, further comprising including in the application tier ~~second layer~~ a user management function for providing user management functionality to the web tier ~~first layer~~.

30. (Currently Amended) The method of claim 20, further comprising ~~at least one of~~ persisting data, storing objects or ~~and~~ storing tables in a database tier coupled to ~~at least one of~~ the web tier or the application tier ~~first layer and the second layer~~.

31. (Currently Amended) The method of claim 30, further comprising generating custom tables to extend a schema of tables in ~~at least one of the~~ web tier or the application tier ~~first layer and the second layer~~.

32. (Currently Amended) The method of claim 31, further comprising mapping the custom tables to ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in ~~at least one of the~~ web tier or the application tier ~~first layer and the second layer~~.

33. (Currently Amended) The method of claim 20, further comprising configuring ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in an order domain to support an order class.

34. (Currently Amended) The method of claim 20, further comprising configuring ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in a fulfillment status domain to provide order fulfillment functionality.

35. (Currently Amended) The method of claim 20, further comprising configuring ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in a move, change or disconnect (MCD) domain to store summary information of operational support system (OSS) order entry and status applications.

36. (Currently Amended) The method of claim 20, further comprising configuring ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in an order activity domain to carry out ~~one of~~ business logic or ~~and~~ application logic for order management events involving ~~at least one of~~ persistence, transaction-sensitive data retrieval or ~~and~~ specialized business logic.

37. (Currently Amended) The method of claim 20, further comprising configuring ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in a helpers domain to ~~at least one of~~ create domain objects, perform specialized business logic or ~~and~~ perform persistence of domain objects.

38. (Currently Amended) The method of claim 20, further comprising configuring ~~at least one of~~ the extended software objects or ~~and~~ the custom software objects in a customer support domain to provide storage for information needed to retrieve an appropriate set of contact information for back office personnel.

39. (Currently Amended) A computer-readable medium ~~Computer-readable media~~ storing computer-executable instructions for performing the steps recited in claim 20.

40. (Currently Amended) A system for providing software integration for ~~telecommunications offerings~~ on-line procurement of telecommunications offerings, comprising:
means for receiving ~~at least one of~~ a request or ~~and~~ a user action from a web server in a web tier first layer;

means for performing ~~at least one of~~ order management, online ordering or ~~and~~ user management functions in an application tier a second layer;

means for extending software objects from general-purpose software objects in ~~at least one of the web tier or the application tier first and second layers~~ to support procuring of the telecommunications offerings on-line; and

means for creating custom software objects in ~~at least one of the web tier or the application tier first and second layers~~ to support the procurement of the telecommunications offerings on-line.